



## Inflammation Resolution Biology Trans-NIH Workshop

March 25-26, 2019

### AGENDA

#### Monday, March 25, 2019

**1:00 p.m. Opening Remarks**

*Linda Birnbaum, Ph.D., D.A.B.T, A.T.S., Director, National Institute of Environmental Health Sciences and National Toxicology Program*

**1:10 p.m. Genesis of the Workshop**

*Sri Nadadur, Ph.D., National Institute of Environmental Health Sciences*

#### Session 1: Introductory Session

**Moderator: Houmam Araj, Ph.D., National Eye Institute**

**1:20 p.m. Turning on and off the Inflammatory Response in Polymicrobial Sepsis**

*Peter Ward, M.D., University of Michigan*

**2:00 p.m. Novel Mediators and Mechanisms in the Resolution of Inflammation**

*Charles Serhan, Ph.D., D.Sc., Brigham and Women's Hospital, Harvard University*

**2:40 p.m. Break**

**Moderator: Christina Liu, Ph.D., and Pushpa Tandon, Ph.D., National Cancer Institute**

**3:00 p.m. Resolution of Endoplasmic Reticulum Stress and Inflammation by Lipid Mediators**

*Bruce Hammock, Ph.D., University of California, Davis*

**3:40 p.m. Breast Cancer-Induced Inflammation and its Impact on Tumor Progression and Therapeutics**

*Xiang Zhang, Ph.D., Baylor College of Medicine*

**4:20 p.m. Intervention Strategies to Promote Inflammation Resolution**

*Thomas Van Dyke, D.D.S., Ph.D., Forsyth Institute*

**5:00 p.m. Adjourn for the Day**



# Inflammation Resolution Biology Workshop

**Tuesday, March 26, 2019**

**8:30 a.m. Opening Remarks**

*Gwen Collman, Ph.D., National Institute of Environmental Health Sciences*

## **Session 2: Perturbations and Promotion of Inflammation Resolution in Health and Disease**

**Moderator: Michael Fessler, M.D., National Institute of Environmental Health Sciences**

**8:40 a.m. Translational Mechanisms for Inflammation and Defective Resolution in Severe Asthma**

*Bruce Levy, M.D., Brigham and Women's Hospital, Harvard University*

**9:10 a.m. Inflammation and Resolution in Chronic Obstructive Lung Disease**

*Patricia Sime, M.D., University of Rochester Medical Center*

**9:40 a.m. Resolution of Vascular Injury: Role of Specialized Lipid Mediators**

*Michael Conte, M.D., University of California, San Francisco Medical Center*

**10:10 a.m. Break**

**Moderator: Giovanna Zappala, Ph.D., M.P.H., National Institute on Aging**

**10:30 a.m. The Peripheral Immune Responses to Brain and Intestinal Immunogens Amplify Stroke Severity**

*Katrin Andreasson, M.D., Ph.D., Stanford University*

**11:00 a.m. Inflammaging**

*Luigi Ferrucci, M.D., Ph.D., National Institute on Aging*

**11:30 a.m. The Lens: How an Immune Response to Injury and Dysgenesis Occurs in an Avascular Region of the Eye**

*Sue Menko, Ph.D., Jefferson Medical College*

**Noon Lunch**

## **Session 3: Exposure-Induced Inflammation in Disease Exacerbation**

**Moderator: Mike Humble, Ph.D., National Institute of Environmental Health Sciences**

**1:00 p.m. Accelerating Inflammation Resolution to Counteract Cutaneous and Pulmonary Injury**

*Sven Jordt, Ph.D., Duke University*



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**1:30 p.m.**      **Irgm1 Links Mitochondrial Quality Control to Autoimmunity**  
*Michael Fessler, M.D., National Institute of Environmental Health Sciences*

**2:00 p.m.**      **Targeting Resolution of Exposure-Induced Lung Inflammation**  
*Jill Poole, M.D., University of Nebraska, Internal Medicine*

**2:30 p.m.**      **Break**

**2:50 p.m.**      **Panel Discussion**

**Moderator: Sri Nadadur, Ph.D., National Institute of Environmental Health Sciences**

**Panelists:**

*Luigi Ferrucci, M.D., Ph.D., National Institute on Aging*

*Bruce Hammock, Ph.D., University of California, Davis*

*Bruce Levy, M.D., Brigham and Women's Hospital, Harvard University*

*Sue Menko, Ph.D., Jefferson Medical College*

*Charles Serhan, Ph.D., D.Sc., Brigham and Women's Hospital, Harvard University*

*Patricia Sime, M.D., University of Rochester Medical Center*

*Peter Ward, M.D., University of Michigan*

**4:10 p.m.**      **Concluding Remarks**  
*David Balshaw, Ph.D., National Institute of Environmental Health Sciences*

**4:30 p.m.**      **Adjourn**